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U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

DAC PART NO:
DPM 5069

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME Turco Products, Inc.		EMERGENCY TELEPHONE NO. (213) 634-3300
ADDRESS (Number, Street, City, State, and ZIP Code) 24600 South Main Street, Carson, Ca. 90749		
CHEMICAL NAME AND SYNONYMS		TRADE NAME AND SYNONYMS Turco 657 (C-50)
CHEMICAL FAMILY	FORMULA	

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS MIXTURES OF LIQUIDS, SOLIDS, OR GASES

	C.A.S. NUMBER	DOT SPILL CAT.	EPA WASTE NUMBER	%	TLV UNITS
Methylene chloride	75-09-2	--	U080	90	200PPM
Isopropanol	67-63-0	--	D001	10	400PPM

Other components not defined as hazardous by US Dept. of Labor

Carcinogens None

SECTION III - PHYSICAL DATA

BOILING POINT (°F.) Approx.	100°F	SPECIFIC GRAVITY (H₂O=1)	1.24
VAPOR PRESSURE (mm Hg.) Approx.	380mm	PERCENT VOLATILE BY VOLUME (%) Essentially	100
VAPOR DENSITY (AIR=1) More than	1	EVAPORATION RATE (Bu, Ac. =1) More than	1
SOLUBILITY IN WATER	Moderate		
APPEARANCE AND ODOR Clear colorless liquid, chlorinated hydrocarbon odor			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) None to boil (Setaflash)	FLAMMABLE LIMITS	LeI Unknown	Uel
EXTINGUISHING MEDIA Carbon dioxide, foam			
SPECIAL FIRE FIGHTING PROCEDURES Use self contained respiratory protection.			

UNUSUAL FIRE AND EXPLOSION HAZARDS
Thermal decomposition may produce toxic oxides of carbon and chlorine. Drums exposed to even moderate heat may develop sufficient internal pressure to rupture.

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SECTION V HEALTH HAZARD DATA**THRESHOLD LIMIT VALUE:** See Section II**EFFECTS OF OVEREXPOSURE:** Inhalation: Dizziness, headache, intoxication. Skin contact: Skin irritation, defatting. May be absorbed through skin in toxic amounts. Eyes: Severe irritation, may cause permanent damage.**EMERGENCY AND FIRST AID PROCEDURES:** Severe chest pain in vicinity of breast bone may indicate accumulation of dangerous levels of carboxy hemoglobin by metabolism of methylene chloride to carbon monoxide. Obtain medical att. Inhalation: Remove to fresh air. If breathing is difficult administer oxygen. If breathing has stopped apply artificial respiration. Obtain medical att. Eyes: Flush eyes with large volumes of water for 15 minutes. Obtain medical att. Skin: Remove contaminated clothing, launder before reuse. Wash affected skin area with soap and water. If irritation persists or blistering occurs obtain medical att. Ingestion: If conscious, drink a quart of water, then induce vomiting by placing a finger far back in the throat. Take immediately to a hospital. If unconscious or in convulsions take immediately to a hospital. **DO NOT** induce vomiting or attempt to give anything by mouth to an unconscious person.**SECTION VI - REACTIVITY DATA**

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATIBILITY (Materials to avoid) Strong oxidizing agents			
HAZARDOUS DECOMPOSITION PRODUCTS Toxic oxides of carbon and chlorine (carbon monoxide, phosgene, etc)			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**Contain spillage. Ventilate area. Wipe up or absorb spillage onto absorbent material. Recover in drums for disposal.**WASTE DISPOSAL METHOD**

1. Landfill under applicable local, State and regional regulations.
2. Burn in a chemical furnace with appropriate fume scrubbing system.
3. Transfer to reclaiming center for solvent recovery.

SECTION VIII - SPECIAL PROTECTION INFORMATION**RESPIRATORY PROTECTION (Specify type):** If TLV is exceeded a self-contained breathing apparatus, positive pressure hose mask or an air-line mask is advised. These should have a full face piece and be operated in pressure demand or other positive pressure mode. For exposure of no more than 30 min. in areas of good ventilation, a full face mask with an organic vapor canister may be used. These should be checked often and the canister replaced regularly. The canister must not contain Hopcalite. These must not be used in partly enclosed or low lying areas, such as tanks or sumps, or for emergency use.**VENTILATION** LOCAL EXHAUST: x
MECHANICAL:**SPECIAL:**
OTHER:**PROTECTIVE GLOVES:** Solvent resistant (neoprene)**EYE PROTECTION:** Well fitting cup type or rubber framed goggles**OTHER PROTECTIVE EQUIPMENT:** Solvent resistant boots and apron (neoprene)**SECTION IX - SPECIAL PRECAUTIONS****PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Use care in opening drums to avoid spurring of contents.**OTHER PRECAUTIONS:** Vapors from this product are heavier than air and will travel along the ground to collect in low lying areas, such as sumps. Personnel entering such areas must be provided with respiratory protection and a safety line. They should be kept under observation while in the area by another man at a safe distance.